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L49 and object?	108

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L50	L49 and object?
L49	L48 and compil\$5
L48	L47 and (code or program?)
L47	L46 and (optimiz\$5 or mini\$5)
L46	L45 and block?
L45	L44 and (decomposit\$3 or partition\$3 or divid\$4)
L44	L43 and parallel
L43	(trace or log) adj file?
L42	L41 and expression?
L41	L40 and file?
L40	L38 and (trace or log)

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} sand
 } sand

<u>L39</u>	L38 and expression?	3	<u>L39</u> —
<u>L38</u>	parallel and optimiz\$5 and (trace adj file?)	76	<u>L38</u> —
<u>L37</u>	self\$1tun\$3 near2 (object or librar\$3)	29	<u>L37</u> —
<u>L36</u>	self\$1tun\$3 adj (object or librar\$3)	0	<u>L36</u>
<u>L35</u>	L34 and simulat\$3	0	<u>L35</u>
<u>L34</u>	L33 and expression?	1	<u>L34</u> —
<u>L33</u>	L32 and block?	1	<u>L33</u> —
<u>L32</u>	6106575	5	<u>L32</u> —
<u>L31</u>	((auto\$9 or self\$10) near1 (tun\$3 or adjust\$4 or modifi\$6 or profil\$3)) and 6106575	0	<u>L31</u>
<u>L30</u>	6106575 and expressions and block? and ((auto\$9 or self\$10) near1 (tun\$3 or adjust\$4 or modifi\$6 or profil\$3))	0	<u>L30</u>
<u>L29</u>	L24 and ((auto\$9 or self\$10) near1 (tun\$3 or adjust\$4 or modifi\$6 or profil\$3)) and parallel and comput\$7	1	<u>L29</u> —
<u>L28</u>	L24 and self\$1tun\$3	0	<u>L28</u>
<u>L27</u>	L24 and self-tuning	0	<u>L27</u>
<u>L26</u>	reynders	152	<u>L26</u> —
<u>L25</u>	reynders.an.	0	<u>L25</u>
<u>L24</u>	6085233	6	<u>L24</u>
<u>L23</u>	L19 and self-tuning	0	<u>L23</u>
<u>L22</u>	L19 and self	1	<u>L22</u> —
<u>L21</u>	L20 and simulat\$4	0	<u>L21</u>
<u>L20</u>	L19 and minimal	0	<u>L20</u>
<u>L19</u>	6106575	5	<u>L19</u> —
<u>L18</u>	6106575 and timing	0	<u>L18</u>
<u>L17</u>	millennium and self\$1tun\$3	1	<u>L17</u> —
<u>L16</u>	L15 not L10	77	<u>L16</u> —
<u>L15</u>	L14 not L13	232	<u>L15</u> —
<u>L14</u>	(task? or block?) and (code or program?) and (self\$1tun\$3 or self\$1adjust\$3 or self\$modif\$3 or self\$profil\$3) and object?	255	<u>L14</u> —
<u>L13</u>	L12 and (@ad<20001211 or @rlad<20001211 or @prad<20001211)	37	<u>L13</u> —
<u>L12</u>	L11 not L10	38	<u>L12</u> —
<u>L11</u>	trace and (divid\$3 or seperat\$3 or partition\$3) and (task? or block?) and (code or program?) and (self\$1tun\$3 or self\$1adjust\$3 or self\$modif\$3 or self\$profil\$3)	58	<u>L11</u> —
<u>L10</u>	L9 not L5	194	<u>L10</u> —
<u>L9</u>	L8 and (trace or track or block? or task?)	207	<u>L9</u> —
<u>L8</u>	(self\$1tun\$3 or self\$1adjust\$3 or self\$modif\$3 or self\$profil\$3) and object? and (code or program?) and parallel	305	<u>L8</u> —

<u>L7</u>	Terms Documents (self\$1tun\$3 or self\$1adjust\$3 or self\$modif\$3 or self\$profil\$3) and object? and (code or program?) and parallel	1451669	<u>L7</u>
<u>L6</u>	((self\$1tun\$3 or self\$1adjust\$3 or self\$modif\$3 or self\$profil\$3) near2 object? near4 (code or program?)) and parallel	0	<u>L6</u>
<u>L5</u>	L4 and (code or program?)	235	<u>L5</u>
<u>L4</u>	L3 and object?	329	<u>L4</u>
<u>L3</u>	L2 and expression?	511	<u>L3</u>
<u>L2</u>	L1 and (@ad<20001211 or @rlad<20001211 or @prad<20001211)	9359	<u>L2</u>
<u>L1</u>	((auto\$9 or self\$10) near1 (tun\$3 or adjust\$4 or modifi\$6 or profil\$3)) and parallel and comput\$7	10418	<u>L1</u>

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 Shigeo Itou , Satoshi Matsuoka , Hirokazu Hasegawa
Proceedings of the ACM 2000 conference on Java Grande June 2000
- 2 [Ubiquitous, self-tuning, scalable servers](#) 84%
 Peter Spiro *Saved*
ACM SIGMOD Record , Proceedings of the 1998 ACM SIGMOD international conference on Management of data June 1998
 Volume 27 Issue 2
 Hardware developments allow wonderful reliability and essentially limitless capabilities in storage, networks, memory, and processing power. Costs have dropped dramatically. PCs are becoming ubiquitous. The features and scalability of DBMS software have advanced to the point where most commercial systems can solve virtually all OLTP and DSS requirements. The Internet and application software packages allow rapid deployment and facilitate a broad range of solutions.
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 Jeanna Neeffe Matthews , Drew Roselli , Adam M. Costello , Randolph Y. Wang , Thomas E. Anderson *Saved*
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- 4 [Use of genetic algorithms for optimization in digital control of dynamic systems](#) 84%

- 4 Rajeshwar Prasad Srivastava
Proceedings of the 1992 ACM annual conference on Communications April 1992
 This paper presents a method to optimize proportional-integral-derivative (PID) control parameters, given a discrete model of the controlled process. This method is based on Holland's genetic algorithm (GA). It does not require a mathematical model of the controller to represent its dynamic behavior. It gives a solution that is not only optimal but also meets engineering constraints. Genetic algorithms do a global search without derivatives for points in a multi-dimensional search space. Th ...
- 5 Deadlock detection in distributed database systems: a new algorithm and a comparative performance analysis 80%
 Natalija Krivokapi?, Alfons Kemper, Ehud Gudes
The VLDB Journal — The International Journal on Very Large Data Bases
 October 1999
 Volume 8 Issue 2
 This paper attempts a comprehensive study of deadlock detection in distributed database systems. First, the two predominant deadlock models in these systems and the four different distributed deadlock detection approaches are discussed. Afterwards, a new deadlock detection algorithm is presented. The algorithm is based on dynamically creating *deadlock detection agents* (DDAs), each being responsible for detecting deadlocks in one connected component of the global wait-for-graph (WFG). The ...
- 6 Methodologies for a real-time intelligent supervisory system for a hot strip mill finisher 80%
 Yutaka Miyabe, Csabe Biegl, Kazuhiko Kawamura
Proceedings of the first international conference on Industrial and engineering applications of artificial intelligence and expert systems - Volume 1 June 1988
 This paper describes methodologies and the architecture used in a prototype intelligent supervisory system for hot strip finishing mills in steel manufacturing. The prototype system incorporates a knowledge-based supervisory layer in its top level. The supervisor gathers information from critical areas and warns the operator on abnormalities. The system takes advantage of an emerging artificial intelligence (AI) toolset in a virtually parallel processing environment and couples s ...
- 7 Digest of proceedings seventh IEEE workshop on hot topics in operating systems 80%
 29-30 1999, Rio Rico, AZ
 M. Satyanarayanan
ACM SIGOPS Operating Systems Review October 1999
 Volume 33 Issue 4
 The Seventh IEEE Workshop on Hot Topics in Operating Systems was held on March 29-30 1999 at the Rio Rico Resort & Country Club, south of Tucson, Arizona. The General Chair, Peter Druschel, and the Local Arrangements Chair, John Hartman, had gone to considerable effort to make the operation of the workshop smooth and pleasant for the participants. The secluded desert locale, the effect of brilliant sunshine and blue skies on winter-jaded northerners, and the enthusiasm and energy of the ...
- 8 Efficient and flexible Web access to art-historical image collections 80%
 Matthias Wagner, Stefan Holland, Werner Kießling
Proceedings of the 2000 ACM symposium on Applied computing March 2000

- 9 Implementation of fuzzy logic and neural networks control algorithm using a digital signal processing chip *Good* 80%
 Kishan Kumar Kumbla , Mohammad Jamshidi , Jorge Benitez-Read
Proceedings of the 1995 ACM symposium on Applied computing February 1995
- 10 The Asilomar report on database research 80%
 Phil Bernstein , Michael Brodie , Stefano Ceri , David DeWitt , Mike Franklin , Hector Garcia-Molina , Jim Gray , Jerry Held , Joe Hellerstein , H. V. Jagadish , Michael Lesk , Dave Maier , Jeff Naughton , Hamid Pirahesh , Mike Stonebraker , Jeff Ullman
ACM SIGMOD Record December 1998
 Volume 27 Issue 4
 The database research community is rightly proud of success in basic research, and its remarkable record of technology transfer. Now the field needs to radically broaden its research focus to attack the issues of capturing, storing, analyzing, and presenting the vast array of online data. The database research community should embrace a broader research agenda — broadening the definition of database management to embrace all the content of the Web and other online data stores, and ret ...
- 11 PAC adaptive control of linear systems *Good* 80%
 Claude-Nicolas Fiechter
Proceedings of the tenth annual conference on Computational learning theory July 1997
- 12 Programming language requirements for the next millennium *Good* 80%
 William G. Griswold , Richard Wolski , Scott B. Baden , Stephen J. Fink , Scott R. Kohn
ACM Computing Surveys (CSUR) December 1996
- 13 Self-tuning histograms: building histograms without looking at data *Good* 80%
 Ashraf Aboulmaga , Surajit Chaudhuri
ACM SIGMOD Record , Proceedings of the 1999 ACM SIGMOD international conference on Management of data June 1999
 Volume 28 Issue 2
 In this paper, we introduce self-tuning histograms. Although similar in structure to traditional histograms, these histograms infer data distributions not by examining the data or a sample thereof, but by using feedback from the query execution engine about the actual selectivity of range selection operators to progressively refine the histogram. Since the cost of building and maintaining self-tuning histograms is independent of the data size, self-tuning histograms provide a remarkably ine ...
- 14 A new approach to effective circuit clustering 80%
 Lars Hagen , Andrew B. Kahng
Proceedings of the 1992 IEEE/ACM international conference on Computer-aided design November 1992
- 15 The LRU-K page replacement algorithm for database disk buffering 80%

- 4 Elizabeth J. O'Neil , Patrick E. O'Neil , Gerhard Weikum
ACM SIGMOD Record , Proceedings of the 1993 ACM SIGMOD international conference on Management of data June 1993
 Volume 22 Issue 2

This paper introduces a new approach to database disk buffering, called the LRU-K method. The basic idea of LRU-K is to keep track of the times of the last K references to popular database pages, using this information to statistically estimate the interarrival times of references on a page by page basis. Although the LRU-K approach performs optimal statistical inference under relatively standard assumptions, it is fairly simple and incurs little bookkeeping overhead. As we ...

- 16 Configuration support for system description, construction and evolution 77%

- 4 J. Kramer , J. Magee , M. Sloman
ACM SIGSOFT Software Engineering Notes , Proceedings of the fifth international workshop on Software specification and design April 1989
 Volume 14 Issue 3

- 17 Simulation of an expert model-based adaptive controller 77%

- 4 Mark S. Ma
ACM SIGSIM Simulation Digest , Proceedings of the 23rd annual symposium on Simulation April 1990
 Volume 20 Issue 4

Model-based adaptive controllers have been practiced with numerous successes. The controller is formed in a online discrete optimal controller and implemented in control computer. Because of the fast and accurate calculation capability of microcomputer, this type of controller has reached their limits. To explore the potentiality of model-based adaptive controller, we investigate the adaptive controller with an expert system for selection of identifiers. The model-based adaptive controller ...

- 18 A method for adaptive performance improvement of operating systems 77%

- 4 David Reiner , Tad Pinkerton
Proceedings of the 1981 ACM SIGMETRICS conference on Measurement and modeling of computer systems September 1981

This paper presents a method for dynamic modification of operating system control parameters to improve system performance. Improved parameter settings are learned by experimenting on the system. The experiments compare the performance of alternative parameter settings in each region of a partitioned load-performance space associated with the system. The results are used to modify important control parameters periodically, responding to fluctuations in system load and performance. The metho ...

- 19 Enactable models for quantitative evolutionary software processes 77%

- 4 L. Krzanik
ACM SIGSOFT Software Engineering Notes , Proceedings of the 4th international software process workshop on Representing and enacting the software process April 1988

Volume 14 Issue 4

20 Threads and input/output in the synthesis kernel

77%



H. Massalin , C. Pu

ACM SIGOPS Operating Systems Review , Proceedings of the twelfth ACM symposium on Operating systems principles November 1989

Volume 23 Issue 5

The Synthesis operating system kernel combines several techniques to provide high performance, including kernel code synthesis, fine-grain scheduling, and optimistic synchronization. Kernel code synthesis reduces the execution path for frequently used kernel calls. Optimistic synchronization increases concurrency within the kernel. Their combination results in significant performance improvement over traditional operating system implementations. Using hardware and software emulating a SUN 3 ...

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<u>L17</u>	millennium and self\$1tun\$3	1	<u>L17</u>
<u>L16</u>	L15 not L10	77	<u>L16</u>
<u>L15</u>	L14 not L13	232	<u>L15</u>
<u>L14</u>	(task? or block?) and (code or program?) and (self\$1tun\$3 or self\$1adjust\$3 or self\$modif\$3 or self\$profil\$3) and object?	255	<u>L14</u>
<u>L13</u>	L12 and (@ad<20001211 or @rlad<20001211 or @prad<20001211)	37	<u>L13</u>
<u>L12</u>	L11 not L10	38	<u>L12</u>
<u>L11</u>	trace and (divid\$3 or seperat\$3 or partition\$3) and (task? or block?) and (code or program?) and (self\$1tun\$3 or self\$1adjust\$3 or self\$modif\$3 or self\$profil\$3)	58	<u>L11</u>
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<u>L9</u>	L8 and (trace or track or block? or task?)	207	<u>L9</u>
<u>L8</u>	(self\$1tun\$3 or self\$1adjust\$3 or self\$modif\$3 or self\$profil\$3) and object? and (code or program?) and parallel	305	<u>L8</u>
<u>L7</u>	Terms Documents (self\$1tun\$3 or self\$1adjust\$3 or self\$modif\$3 or self\$profil\$3) and object? and (code or program?) and parallel	1451669	<u>L7</u>
<u>L6</u>	((self\$1tun\$3 or self\$1adjust\$3 or self\$modif\$3 or self\$profil\$3) near2 object? near4 (code or program?)) and parallel	0	<u>L6</u>
<u>L5</u>	L4 and (code or program?)	235	<u>L5</u> — scanned
<u>L4</u>	L3 and object?	329	<u>L4</u>
<u>L3</u>	L2 and expression?	511	<u>L3</u>
<u>L2</u>	L1 and (@ad<20001211 or @rlad<20001211 or @prad<20001211)	9359	<u>L2</u>
<u>L1</u>	((auto\$9 or self\$10) near1 (tun\$3 or adjust\$4 or modifi\$6 or profil\$3)) and parallel and comput\$7	10418	<u>L1</u>

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